

INCH-POUND

MIL-DTL-28840/1D

20 April 2004

SUPERSEDING

MIL-C-28840/1C(ES)

18 April 1994

DETAIL SPECIFICATION SHEET

CONNECTOR ACCESSORIES, ELECTRICAL, CIRCULAR, THREADED,
HIGH SHOCK, HIGH DENSITY, SHIPBOARD, CLAMPS, STRAIN RELIEF,
STRAIGHT, OPEN, FOR ELECTRICAL CONNECTORS

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-28840.

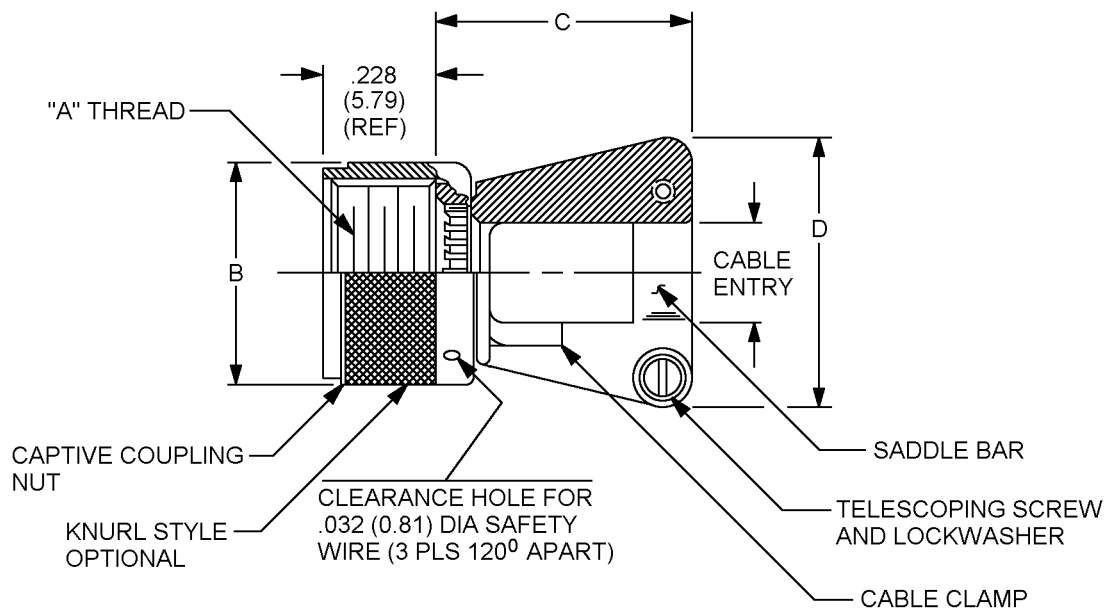


FIGURE 1. Dimensions and configurations.

MIL-DTL-28840/1D

Designator (see note 3)	A thread class 2B	B max dia	C max	D max	Screw size ref.	Cable entry	
						Min	Max
A (11)	.750-20 UNEF	1.028 (26.11)	1.091 (27.71)	.903 (22.94)	.114-40	.177 (4.50)	.286 (7.26)
B (13)	.875-20 UNEF	1.141 (28.98)	1.091 (27.71)	.977 (24.82)	.114-40	.177 (4.50)	.286 (7.26)
C (15)	1.000-20 UNEF	1.263 (32.08)	1.091 (27.71)	1.151 (29.24)	.114-40	.250 (6.35)	.416 (10.57)
D (17)	1.125-18 UNEF	1.387 (35.23)	1.206 (30.63)	1.281 (32.54)	.114-40	.291 (7.39)	.476 (12.09)
E (19)	1.250-18 UNEF	1.513 (38.43)	1.320 (33.53)	1.406 (35.71)	.114-40	.348 (8.84)	.626 (15.90)
F (23)	1.438-18 UNEF	1.703 (43.26)	1.445 (36.70)	1.576 (40.03)	.134-32	.429 (10.90)	.831 (21.11)
G (25)	1.562-18 UNEF	1.825 (46.36)	1.570 (39.88)	1.666 (42.32)	.134-32	.523 (13.28)	.956 (24.28)
H (29)	1.875-16 UN	2.143 (54.43)	1.721 (43.71)	2.046 (51.97)	.134-32	.643 (16.33)	1.081 (27.46)
J (33)	2.062-16 UNS	2.329 (59.16)	1.908 (48.46)	2.209 (56.11)	.162-32	.704 (17.88)	1.187 (30.15)

NOTES:

1. Dimensions are in inches. Dimensions apply after plating.
2. Metric equivalents are given for general information only.
3. Shell sizes are provided within parentheses for information and are not a part of the designator.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS

Design and construction:

Dimensions and configurations: See figure 1.

Interface dimensions shall conform to MIL-DTL-28840.

Material and finish: See table I.

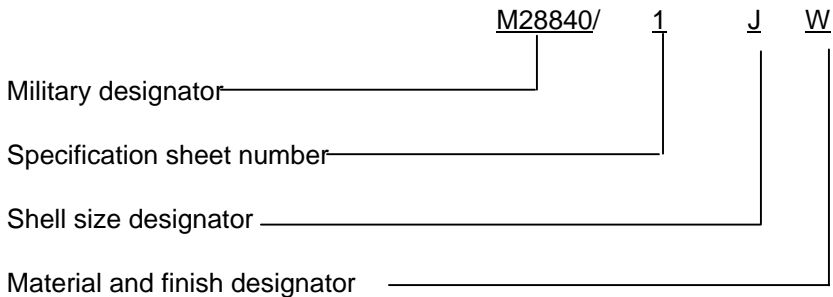
TABLE I. Material and finish.

Material and finish designator	Material	Finish
W	Aluminum alloy in accordance with SAE-AMS-QQ-A-225, ASTM B85, ASTM B26/B26M, or ASTM B108	Cadmium plate, olive drab over electroless nickel
D	Corrosion resistant steel in accordance with SAE-AMS-QQ-S-763, class 316	Cadmium plate, black <u>1/</u>

1/ The screws and washers shall be passivated in accordance with SAE-AMS-QQ-P-35.

Marking: The strain relief clamp shall be identified with the manufacturer's name or trademark and the Part or Identifying Number (PIN).

PIN example:



Qualification: One sample in each shell size for which qualification is desired shall be tested in accordance with MIL-DTL-28840.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

MIL-DTL-28840/1D

Reference documents. In addition to MIL-DTL-28840, this document references the following:

ASTM B26/B26M
ASTM B85
ASTM B108
SAE-AMS-QQ-P-35
SAE-AMS-QQ-A-225
SAE-AMS-QQ-S-763

CONCLUDING MATERIAL

Custodians:

Navy - EC
DLA - CC

Preparing activity:

DLA - CC

Review activities:

Navy - OS, SH, YD

(Project 5935-4416-001)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <http://www.dodssp.daps.mil>.